

67150

SOV/51-7-5-2/36

On the Degree of Transparency of a Discharge in Xenon at Very High Pressures

measured. These measurements yielded the value of the degree of transparency α , since

$$\alpha = (B_{12}' - B_2')/B_1' \quad (5)$$

All the measurements of transparency were made on spherical d.c. xenon lamps of DKsSh-3000 type using powers of 500-3000 W. For the sake of comparison similar measurements were carried out on Osram lamps of KhVO(HVO)-1001 and KhVO(HVO)-2001 type using powers of 570-1500 W. The working pressure in all these lamps was 20-25 atm. The results of measurements are shown in Fig 2 in the form of dependence of the degree of absorption $a = 1 - \alpha$ (in %) on the discharge power calculated per unit length of the discharge column (in kW/cm); the discharge power was taken to be the total power minus the electrode losses. Fig 2 shows that absorption rises fairly rapidly at low powers. Above 2.5 kW/cm this rise slows down due to enlargement of the discharge channel. Fig 3 shows dependence of the degree of absorption a at the cathode spot on the power per unit length of the discharge channel. The energy density at the cathode spot is considerably higher than in the main channel of the discharge and consequently at the same discharge powers much higher degrees of absorption are observed at the cathode spot than in the channel itself. Broadening of the cathode spot with increase of power is not

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67150

On the Degree of Transparency of a Discharge in Xenon at Very High Pressures DOV/51-7-6-2/38

great and consequently the degree of absorption is a linear function of the discharge power. At wavelengths of 483, 530 and 608 mμ the decreases of absorption at the centre of the discharge column (power of 4.1 kV/cm) were found to be the same and equal to 18%. The absorption coefficient $\bar{\chi}$ was determined from the degree of absorption, α , and the geometrical depth of the discharge channel. The latter was taken to be the diametrical distance between points on the discharge cross-section at which the luminance fell to 1/4 of its maximum value. Fig 4 shows the dependence of the absorption coefficient $\bar{\chi}$ in the discharge channel, on the discharge power per unit length. Fig 5 shows a similar dependence for the cathode spot. The curves of Figs 4 and 5 are similar to those showing the dependence of the degree of absorption on the discharge power (Figs 2, 3). Two points in Fig 5 which lie far outside the straight line represent the values of $\bar{\chi}$ at the cathode spot of a lamp of KhVO(HVO)-1001 type; the construction of the cathode in this type of lamp is such that the cathode-spot temperature is high even at low discharge powers. Acknowledgments are made to V.A. Fabrikant for suggesting this work and for his advice on it. There are 5 figures and 5 references, 1 of which is Soviet, 1 English and 3 German.

Card 4/4

SUBMITTED: May 13, 1959

4

L 43146-66 EWT(1)/EWT(m)/EWP(t)/ETI IJP(c) JD
 ACC NR: AP6021209 (N) SOURCE CODE: UR/0294/66/004/003/0328/0335

AUTHOR: Rovinskiy, R. Ye. (Moscow); Belousova, L. Ye. (Moscow); Gruzdev, V. A. (Moscow)

ORG: none

TITLE: Geometry of electrodeless discharge induced in inert gases

SOURCE: Teplofizika vysokikh temperatur, v. 4, no. 3, 1966, 328-335

TOPIC TAGS: gas discharge, inert gas

ABSTRACT: The geometric parameters of electrodeless discharges are studied as a function of ion mass (argon and xenon), pressure (10^{-2} mm Hg to atmospheric), the method of wall cooling (water and air) and discharge (at 12 Mc) power (2 to 14 kw). The discharge dimensions were obtained at any given time using a framing camera to provide the microdensitometer traces. The set of experimental data indicate that thermal conductivity is the basic mechanism in the formation of the discharge boundary in the high pressure regime. Analytical estimates are performed to substantiate this contention and it is shown that there is agreement with the experiment where, radial thermal conduction dominates over the end losses of the cylindrical discharge column. Energy transfer from the generator to the discharge column had a different character at low pressures where the diffusion theory described by H. U. Eckert (*J. Appl. Phys.*, 33,

UDC: 537.523.537.525.661.939

Card 1/2

L 43146-66

ACC NR: AP6021209

No. 9, 2780, 1962) appears to be applicable, as compared to the high pressure discharge which had properties of an arc discharge. The intermediate range is the most difficult one to interpret since it seems to bridge the characteristics of high and low pressure regimes. Orig. art. has: 10 formulas, 5 figures.

SUB CODE: 20/

SUBM DATE: 26Jan65/

ORIG REF: 005/

OTH REF: 003

Card 2/2 MLP

ROVINSKIY, R. YE.

Z/019/62/019/007/003/004
1037/1237

AUTHOR: Rovinskij, R. E.

PERIODICAL: Přehled technické a hospodářské literatury, no. 7, v. 19 1962, Item. no. E 62-4361

TITLE: Some peculiarities of temperature distribution during discharge in Xenon at direct current

TEXT: Experimental studies of luminescent distribution on the discharge surface in Xenon and deduction of the temperature distribution; the results determined on a series of discharge lamp types There are 6 diagrams, 2 tables and 14 references.

ASSOCIATION: 1961 XI, Svetotechnika 7, no. 11, p. 8-13.

Card 1/1

ACC NR:

AP6008825

SOURCE CODE: UR/0294/66/004/001/0035/0039

AUTHOR: Rovinskiy, R. Ye. (Moscow); Gruzdev, V. A./Shirokova, I. P. (Moscow)

ORG: None

TITLE: The energy balance of a steady-state induced discharge

SOURCE: Teplofizika vysokikh temperatur, v. 4, no. 1, 1966, 35-39

TOPIC TAGS: gas discharge, argon, xenon

ABSTRACT: The authors describe an experimental investigation of a discharge in argon and xenon, induced in closed flasks. A study is made of the energy balance of a steady-state discharge in the pressure range from 1 to 750 mm Hg. The authors measured the magnitude of thermal and radiant losses of the discharge depending on gas pressure and the power of the discharge. It is found that the thermal and the radiant losses in the case of xenon are several times higher than those in the case of argon. At atmospheric pressure, the proportion of radiant losses in argon amounts to about 15% and drops substantially with decreasing pressure. The radiant losses in both xenon and argon as a function of pressure with a constant power in the discharge, are found to increase sharply at first, then, starting from about 200 to 300 mm Hg, to increase at a slower rate. It is asserted that the increase in the radiant power will, in some degree, continue even at pressures above atmospheric. Orig. art. has: 6 figures and 3 formulas.

Card 1/2

UDC: 537.523.537—96.533.9.07

84400
S/112/59/000/014/063/065
A052/A001

9.4100 (1003, 1105, 1331)

Translation from: Referativnyy zhurnal, Elektrotehnika, 1959, No. 14, pp. 220-221, # 30126

AUTHORS:

Goukhberg, D.A., Rovinskiy, R.Ye.

TITLE:

Determination of Limiting Current Loads for Molybdenum Cylindrical Lead-in Quartz

PERIODICAL:

Sb. materialov po vakuumnoy tekhnike, 1957, No. 12, pp. 3-17

TEXT:

Calculation of limiting current loads for hermetic leads in quartz is given. A lead-in consists of three parts: an outer and inner molybdenum lead-in and an interjacent molybdenum foil. The latter is wetted well by quartz, therefore the necessary tightness is secured. A formula is derived relating the current, flowing through the lead-in and heating the foil to a certain temperature, and the cross-section of the foil. The maximum temperature of the outer end of the insert, at which Mo does not oxidize as yet (approximately 400°C), is taken as a criterion in determination of the limiting current through the lead-in.

Card 1/2

84486
S/112/59/000/014/063/085
A052/A001

Determination of Limiting Current Loads for Molybdenum Cylindrical Lead-in Quartz

The calculation is confirmed by experimental results. Since an exact calculation of operational conditions of the real lead-in with allowance for heat elimination from the electrodes involves mathematical difficulties, it is recommended to multiply the obtained value of the limiting current by a factor of 0.8-0.85 in order to avoid working under critical conditions. ✓

I.V.Yu.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

GOUKHBERG, D.A., inzh.; ROVINSKIY, R.Ye., inzh.

One and three kw. superhigh-pressure d.c. gas discharge tubes containing xenon. Svetotekhnika 4 no.10:1-4 0 '58. (MIRA 11:10)

1. Moskovskiy elektrolampovyy zavod.
(Electric discharges through gases)

GOUKHBERG, D.A., inzh.; ROVINSKIY, R. Ye., inzh.

High-frequency device for lighting gas-discharge tubes. Svetotekhnika
4 no. 7:19-23 J1 '58. (MIRA 11:7)

1. Moskovskiy elektrolampovyy zavod.
(Electric discharge lighting)

NIKITENKO, Yu.M., inzh.; ROVINSKIY, R.Ye., kand. tekhn. nauk

Increase in the life of DKSSh-1000 xenon lamps. Sveto-
tekhnika 9 no.10:15-18 O '63. (MIRA 16:11)

1. Moskovskiy elektrolampovyy zavod.

ROYINSKIY, R.Ye., inzh.

Calculating electric and light parameters of direct-current gas-discharge xenon lamps. Svetotekhnika 4 no. 8:5-10 Ag '58.
(MIRA 11:7)

1. Moskovskiy elektrolampovyy zavod.
(Electric discharge lighting)

ROVINSKIY, R.Ye.; RAZUMTSEVA, G.P.

Degree of transparency of a discharge in xenon at ultrahigh pressures. Opt. i spektr. 7 no. 6:725-728 D '59. (MIRA 14:2)
(Xenon—Spectra) (Electric discharges through gases)

ROVINSKIY, S.

New tasks of factory laboratories supervising the instrumentation for measurement and control. Masl.-zhir.prom.
25 no.11:41-42 '59. (MIRA 13:3)

1. Vinnitskiy maslozhirovoy kombinat.
(Oil industries—Equipment and supplies)
(Testing laboratories)

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
ROVINSKIY, S. A.																										1-4																									
- Action of vegetative nervous system on white blood cells. S. A. Rovinski and D. E. Konstantinovskii (<i>J. Med. Ukraine</i>, 1940, 10, 1201-1210).—Lumbar puncture was performed in 25 dogs and followed by introduction of air to stimulate the vegetative centers of 3rd ventricle. Marked increase in no. of leucocytes with shift to the left, lymphopenia, and hypo- and an-eosinophilia were observed, with max. reaction after 4-6 hr. Clinical observations in intraventricular hemorrhages show leucocytosis and lymphopenia. M. K.																																																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			
1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									

COMMON ELEMENTS										COMMON VARIANTS									
1ST AND 2ND ORDERS										PROCESSES AND PROPERTIES INDEX									
ROVINSKIY, S. A. BC										u f									
Fundi in vascular affections of brain. M. E. Kaschuk and S. A. Rovinski (J. Med. Ukraine, 1940, 10. 319-326). M. K.																			
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION										1ST AND 2ND ORDERS									

DMITRASH, V.V. [Dmytrash, V.V.]; ROVINSKYI, S.M. [Rovyns'kyi, S.M.]

Automation of the boiler houses of the sugar factories of the
Vinnitsa Sugar Trust. Khar. prom. no.2:13-15 Apr-Je '65. (MIRA 18:5)

ROVINSKIY, S.M.

Device for measuring the pressure of liquid soap. Masl.-zhir.
prom. 26 no.3:38 Mr 60. (MIRA 13:6)

1. Vinnitskiy maslozhirovoy kombinat.
(Vinnitsa--Soap)

ROVINSKIY, S.M.

Unfortunate shortcomings. Izv.tekh. no.7:60 J1 '60. (MIRA 14:6)
(Measuring instruments)

ROVINSKIY, S. Ya.

Breast - Surgery

Treatment of mastitis. Sov. med. No. 1, 1952

Monthly List of Russian Accessions, Library of Congress, May 1952. UNCLASSIFIED.

ROVINSKIY, S. Ya.

Breast - Diseases

Treatment of mastitis. Sov. med. No. 1, 1952

Monthly List of Russian Accessions, Library of Congress, May 1952. UNCLASSIFIED.

Tendons - Inflammation; Fingers - Diseases

Suppurative tendovaginitis of the fingers. Fel'd. i akush. no. 2, 1952

SO: Monthly List of Russian Accessions, Library of Congress, April 1952, Uncl.

ROVINSKIY, S. YA.

Burns and Scalds

Burns and their therapy. S. Ya. Rovinskiy. Fol'd i akush. No. 6 1952.

SO: Monthly List of Russian Accessions, Library of Congress, September 1952, ~~1953~~, Uncl.

1. ROVINSKIY, S. Ya.
 2. USSR (600)
 4. Leg -Ulcers
 7. Ulcers of the shin and their therapy. Fel'd. i akush. no. 11 1952
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

ROVINSKIY, S. Ya.

Burns and their therapy. Fel'dsher & akush., Moskva no. 6:17-
23 June 1952. (CJML 22:3)

1. Includes a chart showing relation of size of burn in square centimeters to percentile area of body surface.

ROVINSKIY, S.Ya.

Acute abdomen; clinical aspects and diagnosis. Fel'dsher & akush.
no. 12:18-27 Dec 1952. (CLML 23:3)

ROVINSKIY, S.Ya.

Leg ulcers and their therapy. Fel'dscher & akush. no. 11:30-35
Nov 1952. (CLML 23:3)

ROVINSKIY, S.Ya. (Moskva)

Technic of artificial respiration. Fel'd. i akush. 24 no.10:50-55
0 '59. (MIRA 13:2)

(ARTIFICIAL RESPIRATION)

ROVINSKIY, S.Ya. (Moskva)

Acute paraproctitis and rectal fistulas. Fel'd. i akush 23 no.9:7-12
S '58 (MIRA 11:10)

(RECTUM--DISEASES)
(FISTULA)

ROVINSKIY, S.Ya. (Moscow)

Furuncles and carbuncles. Fel'd i akush. 23 no.5:10-18 My'58
(MIRA 11:6)

(CARBUNCLE)

(FURUNCLE)

ROVINSKIY, S.Ya. (Moskva)

Clinical aspects, diagnosis, and treatment of mastitis. Vol'd. 1
akush. 23 no.4:7-11 Ap '58. (MIRA 11:4)
(BREAST-DISEASES)

ROVINSKIY, S. Ya.

"Purulent Digital-Carpal Tendovaginitis," Fel'dsher i Akusher., No. 4, 1942.

ROVINSKIY, S. YA.

Actinomyces. Fel'dsher & Akush. No. 12, Dec. 50. p. 19-24

CLML 20, 3, March 1951

ROVINSKIY, S.Ya.

Treatment of mastitis. Sovet. med. No.1:7-10 Jan 52. (CIML 21:4)

1. Of Basman Hospital (Head of Suppurative Surgical Division--Prof.
L.G. Fishman), Moscow.

ROVINSKIY, S. YA.

IA 41-00

USSR/Medicine - Narcosis
Medicine - Surgery

Jan 1948

"Temporary Narcosis," S. Ya. Rovinskiy, 6 $\frac{1}{2}$ pp

"Fel'dsher i Akusherka" No 1

Surgical narcosis is one of the greatest benefits to the patient, particularly to a preoperative patient. Author presents some methods of coping with simple complications arising as a result of narcosis. Include the control of self-asphyxiation due to swallowing of the tongue and the application of artificial respiration to supplement the muscular actions of the patient during surgery. Emphasizes that the medical personnel must supply the patient's every need until he regains full consciousness.

FDB

41T66

1. ROVINSKIY, S. YA.
2. USSR (600)
4. Abdomen-Diseases
7. Acute abdomen; clinical aspects and diagnosis. Fel'd.i akush. no. 12, 1952.
9. Monthly List of Russian Accessions, Library of Congress, March 1953, Unclassified.

ROVINSKY, S. Ya.

USSR/Medicine - Treatment of Burns Jun 52

"Burns and Their Treatment," S. Ya. Rovinsky.

"Tel'dsher i Akusher" No 6, pp 17-23

Gives a detailed description of burns, their causes, and treatment by various methods. Emphasizes the importance of considering the effect produced by burns on the central nervous system, the subsequent reaction of the entire organism, and possible shock condition. Describes the B.N. Plotnikov method of detg the percentage ratio of the burned area to the total surface of the human body. Chart and illustrations are appended.

227122

ROVINSKIY, S. Ya.

Hematogenous osteomyelitis. Feldsher & akush. No.8:26-30 Aug 51.
(CLML 21:1)

ROVINSKIY, V.I.

Clinical variants of exitus letalis in the attack of bronchial asthma. Vrach. delo no.6:44-48 Je'63. (MIRA 16:9)

1. Kafedra propedavticheskoy terapevticheskoy kliniki (zav.-
zasluzhennyy deyatel' nauki, prof. A.A. Shelagurov) Vtorogo
Moskovskogo meditsinskogo instituta.

(ASTHMA) (DEATH—CAUSES)

ROVINSKIY, V.I.

Some characteristics of the clinical course of bronchial asthma
occurring in elderly people. Trudy MOIP.Otd.biol.6:221-225:62
(MIRA 16:7)

1. The Central Polyclinic, Ministry of Health of RSFSR.
(ASTHMA) (AGED---DISEASES)

VASIL'YEV, P.N.; ROVINSKIY, V.I.

Pathogenesis of stenocardial pain in seizures of bronchial
asthma. Sov. med. 28 no.1:123-124 Ja '65. (MIRA 18:5)

1. Propedevticheskaya terapevticheskaya klinika (zav. -
zasluzhennyy deyatel' nauki prof. A.A.Shelagurov) lechebnogo
fakulteta II Moskovskogo meditsinskogo instituta imeni Pirogova
i 1-ya Moskovskaya gorodskaya klinicheskaya bol'nitsa (glavnyy
vrach - zasluzhennyy vrach RSFSR L.D.Chernyshev).

VASIL'YEV, P.N.; ROVINSKIY, V.I. (Moskva)

Disease of the heart in bronchial asthma. Arkh.pat. no.1:47-54
'62. (MIRA 15:1)

1. Iz propedevticheskoy terapevticheskoy kliniki (dir. - zas-
luzhennyy deyatel' nauki prof. A.A. Shelagurov) II Moskovskogo
meditsinskogo instituta imeni N.I. Pirogova i patologoanato-
micheskogo otdeleniya 1-y Gorodskoy klinicheskoy bol'nitsy
(glavnyy vrach - zasluzhennyy vrach RSFSR L.D. Chernyshov).
(ASTHMA) (HEART--DISEASES)

GUREVICH, T.Z., kand.med. nauk (Moskva); KARMAZIN, I.Ya., kand.med.nauk
(Moskva); ROVINSKIY, V.I. (Moskva)

Review of M. IA. Ar'ev's book "Cardiac asthma". Kaz. med. zhur.
4:82-83 J1-Ag'63 (MIRA 17:2)

ROVINSKIY, V.I.

Use of concentrated infusion of Adonis in therapeutic practice.
Vrach.delo no.4:431 Ap '60. (MIRA 13:6)

1. Propedevticheskaya terapevticheskaya klinika (zav. - prof.
A.A. Shelagurov) Vtorogo Moskovskogo meditsinskogo instituta.
(ADONIS)

ROVINSKIY, V.I.

On the use of a concentrated infusion of Valerian root in
therapeutic practice. Sov.med. 23 no.6:104-105 Je '59.

(MIRA 12:9)

1. Iz propedevticheskoy terapevticheskoy kliniki (dir. - prof.
A.A.Shelagirov) II Moskovskogo meditsinskogo instituta imeni
N.I.Pirogova.

(VALERIAN extracts)

SHELAGUROV, A.A., prof.; ROVINSKIY, V.I.

Problem of fatal outcome in seizures of bronchial asthma. Terap.
arkh. 33 no.3:26-32 Mr '61. (MIRA 14:3)

1. Iz propedevticheskoy terapevticheskoy kliniki (dir. - prof.
A.A. Shelagurov) II Moskovskogo meditsinskogo instituta imeni
N.I. Pirogova.

(ASTHMA)

ROVINSKIY, V.I.; VASIL'YEV, P.N. (Moskva)

Pathomorphology of myocardial lesions in bronchial asthma. Klin.
med. 39 no.5:86-87 My '61. (MIRA 14:5)

1. Iz propedevticheskoy terapevticheskoy kliniki (zav. - prof.
A.A. Shelagurov) II Moskovskogo meditsinskogo instituta imeni
N.I. Pirogova i patologoanatomicheskogo otdeleniya 2-go sektora
1-y Gorodskoy klinicheskoy bol'nitsy (glavnyy vrach - zaslužhen-
ny vrach RSFSR L.D. Chernyshev).
(ASTHMA) (HEART—MUSCLE)

ROVINSKIY, V.I.

Pathogenesis of liver enlargement in a seizure of bronchial asthma.
Sov. med. 25 no.1:137 N '61. (MIRA 15:5)

1. Iz propedevticheskoy terapevticheskoy kliniki (zav. zasluzhennyy
deyatel' nauki prof. A.A.Shelagurov) lechebnogo fakul'teta II Moskovskogo
meditsinskogo instituta imeni Pirogova.
(ASTHMA) (LIVER---DISEASES)

ACC NR: AP7001193 (N) SOURCE CODE: UR/0407/65/000/05-/0035/0039

AUTHOR: Namitokov, K. K. (Khar'kov); Brener, V. N. (Khar'kov);
Rovinskiy, V. I. (Khar'kov)

ORG: none

TITLE: Interelectrode-gap regulator for electrospark machine

SOURCE: Elektronnaya obrabotka materialov, no. 5-6, 1965, 35-39

TOPIC TAGS: electrospark machining, metal machining, automatic regulation

ABSTRACT: Two new gap regulators developed by NIELEKTRO are briefly described. In the first model, the regulator drive motor is connected with the electrode-feed mechanism via a differential reducer and friction clutches. The regulator is directly supplied from the power source of the electrospark machine. The friction clutches are controlled by voltage and current solenoids containing thyristors in their circuits. This regulator requires certain remodeling of the electrode-feed mechanism of standard machines. Hence, another model with thyristors and a reversible electric motor was developed. The motor positions the

Card 1/2

ACC NR: AP7001193

electrode depending on the ratio of voltage to current in the spark. This regulator can be mounted on existing machines without any remodeling. The efficiency of operation of the above regulators was tested and compared with that of an older, thyatron, type:

	Average number of work pulses per min.	% of total number of pulses
Thyatron type	4300	17.9
Solenoid type	11519	48
Reversible-motor type	12834	53

The table shows the advantages of the reversible-motor-type regulator. Orig. art. has: 3 figures and 1 table.

SUB CODE: 13, 09 / SUBM DATE: none / ORIG REF: 008

Card 2/2

ABRAMOVA, N.D., kand.med.nauk; GUREVICH, T.Z.; ROVINSKIY, V.I.

Prolonged ambulatory use of Rauwolfia preparations in hypertension.
Sov. med. 25 no.2:103-105 F '62. (MIRA 15:3)

1. Iz dispansernogo otdela (zav. O.Ye. Morokhovets) Tsentral'noy
poliklini (dir. N.Ye. Yermolov) Ministerstva zdravookhraneniya
RSFSR.

(RAUWOLFIA)
(HYPERTENSION)

KUZ'MICHEVA, A.T.; ROVINSKIY, V.P.

Changes in the clinical picture of whooping cough in recent years. Vop. okh. mat. i det. 6 no.9:40-43 S '61. (MIRA 14:9)

1. Iz Leningradskogo pediatricheskogo meditsinskogo instituta (dir. - dotsent Ye.P.Semenova) i infektsionnoy bol'nitsy imeni K.Libknekhta (glavnyy vrach S.I.Novikova).
(WHOOPING COUGH)

ROVINSKIY, Z.I.

Surgical treatment of tropical (amebic) liver abscess. Vest.
khir. 81 no.10:121-123 0 '58 (MIRA 11:11)

1. Iz N-skogo voyenno-morskogo gosptalya.
(AMEBIASIS, HEPATIC compl.
liver abscess, (Rus))
(LIVER, abscess
caused by amebiasis, surg. (Rus))

ROVINSKIY, Z. I. and LOTOTSKIY, Yu. F.

Intravenous Anesthetization Under Tourniquet While Treating
Wrist and Hand Finger Injuries.

Voyenno@meditsinskiy, zhurnal, No. 3, March 1956

GALEA, Gh. conf.; RADULESCU, E., dr.; GALEA, I., dr.; VASILE, Smaranda, dr.;
ROVINTESCU, F., dr.; IONESCU, Pelaghia, dr.

Biological and clinical value of the urinary elimination of
17-ketosteroids in epidemic hepatitis, chronic hepatitis and
cirrhosis following epidemic hepatitis. Med. intern. 16 no.1:
55-65 Ja'64

1. Lucrare efectuata in Clinica de semiologie a Spitalului
"Brincovenesc".

*

ROVIRA, Orosko M.

Use of time study in capitalist countries. Sots.trud 4 no.9:
92-99 S '59. (MIRA 13:1)
(Time study)

ROVIRALTA, Emilio

Our method for the reliable closure of the abdominal wall in children.
Rozhl. chir. 41 no.3:211-214 Mr '62.

1. Instituto Policlinico, Barcelona, Spanelsko.
(ABDOMEN surg)

ROVIS, Miho, dipl. inz.

Possibilities of reducing methane content in the old shaft
of the Kakanj Mine. Rudar glasnik no.3:28-40 '63.

1. Tehnicki direktor rudnika boksita Bosanska Krupa.

ROVITSKIY, K.Z., inzh.; MKRTICH'YAN, R.A., inzh.

Rate of bridge construction has increased. Avt.dor. 24 no.68
Je '61. (MIRA 14:7)

(Kazakhstan—Bridge construction)

SAGITOV, N.V., kand.tekhn.nauk; ROVKAKH, S.Ye., kand.tekhn.nauk

Using the TSAM 9-1.5 alloy and caprone as substitutes for bronze
in excavators. Stroi. i dor. mashinostr. 5 no.4:29-32 Ap '60.
(MIRA 13:9)

(Excavators) (Alloys) (Nylon)

S/193/60/000/012/006/018
A004/A001

AUTHORS: Shlyapin, V. B., Vinogradov, Yu. G., Leont'yev, D. V., Rovkakh, S. Ye.
Kolesnichenko, A. N., Yermolayeva, M. I.

TITLE: Vibration-Arc Build-Up of Parts With the Aid of the Automatic
АНКЭФ-1 (ANKEF-1) Head

PERIODICAL: Byulleten' tekhniko-ekonomicheskoy informatsii, 1960, No. 12, pp.20-21

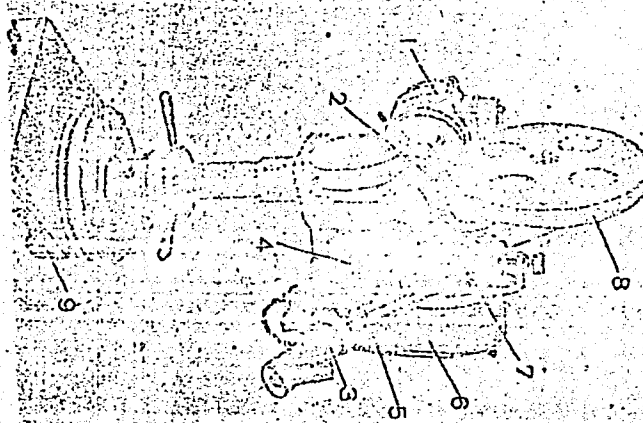
TEXT: The Tsentral'nyy nauchno-issledovatel'skiy institut putey soobshcheni-
ya (Central Scientific Research Institute of Transport) (TsNII MPS) has developed
a new method of submerged vibration arc building-up of shaft journals of the
rolling stock. A thin metal layer of 0.3 - 3 mm is built up without cracks, pores
and slag impurities. The building-up equipment, the special automatic ANKEF-1
head, was manufactured in cooperation with the design and planning office of the
Glavstroymekhanizatsiya Ministerstva transportnogo stroitel'stva (Glavstroymekha-
nizatsiya of the Ministry of Transport Engineering). The part being built up is
clamped in the centers of a lathe and rotates with a speed of 1-5 rpm while the
metal is welded on with the ANKEF-1 head shown in the illustration. The head is
actuated by the A01-11-2 (AOL-11-2) 180 w electromotor 1 which also feeds the

Card 1/3

S/193/60/000/012/006/018
A004/A001

Vibration-Arc Build-Up of Parts With the Aid of the Automatic $\text{AHK3}\Phi$ -1 (ANKEF-1) Head

electrode wire to the part and produces the vibrations with the aid of worm reducer 2. Nozzle 3 carries out oscillations parallel to ellipsoid axis. The vibrator consists of an axle and two eccentrically located bushings 4. The axis of the outer bushing is displaced relative to the inner one by 1.5 mm, so that the total eccentricity can be varied from 0 to 3 mm. The nozzle is connected to rocker 5. At the end of the axis of the eccentric mechanism a driven skew bevel wheel is mounted which is geared to the toothed wheel of the worm shaft of the reducer. The set



Card 2/3

S/193/60/000/012/006/018
A004/A001

Vibration-Arc Build-up of Parts With the Aid of the Automatic $AHK\Phi-1$ (ANKEF-1) Head

of toothed wheels makes it possible to vary the number of nozzle oscillations in the range of 20 - 57 cps. Electrode wire feed mechanism 6 is mounted on a plate fastened to the reducer housing. The driving roll for the wire feed is made of two disks and a set of rubber rings tightened by nut 7. The electrode wire is fed to the part being built up from magazine 8. The feed speed can be varied between 57 and 236 m/hour. The ANKEF-1 head has a special prop 9 by which it is fastened to the cross slide of lathe. By the screw, connecting the head with the prop, the former can be lifted by 200 mm from its lower position. A cylindrical hinge over the screw makes it possible to tilt the head around its horizontal axis through 150° , while it can be swiveled around its vertical axis through 360° . The overall dimensions of the head (height x length x width) are 600 x 560 x 200 mm, it weighs 30 kg. For building-up operations with the ANKEF-1 heads the standard flux grades $AH-348$ (AN-348) or $OK-45$ (OSTs-45) are used. The repair costs of parts reconditioned by building-up amount to 10 - 30% of the manufacturing costs. There is 1 figure.

Card 3/3

ROVKAH, S.Ye., inzhener.

Immediate problems in organizing building machinery repair work.
Mekh.stroi. 11 no.8:19-21 Ag '54. (MLRA 7:8)
(Building machinery--Repairing)

ROVKAKH, S.Ye.

Technical and economic effectiveness of the assembly-unit
method of machinery repair. Transp. stroi. 14 no.8:26-28 Ag
'64. (MIRA 18:1)

1. Nachal'nik tekhnologicheskogo otdela proyektno-konstruktorskogo
byuro Glavnogo upravleniya mekhanizatsii stroitel'stva.

KOKH, P.I., kand. tekhn. nauk, dots.; ROVKAKH, S.Ye., kand. tekhn.
nauk, retsenzent; OTDEL'NOV, P.V., inzh., red.izd-va;
UVAROVA, A.F., tekhn. red.

[Shovel excavators; design, assembly, operation, and repair]
Odnokovshovye ekskavatory; ustroistvo, montazh, ekspluatatsiia
i remont. Izd.2., perer. i dop. Moskva, Mashgiz, 1963. 438 p.
(MIRA 16:7)

(Excavating machinery)

ROVKAKH, S.Ye., kand.tekhn.nauk

Technical and economic indices of the unit method of repairing
excavators. Stroi. i dor. mash. 8 no.5:6-8 My '63. (MIRA 16:5)
(Excavating machinery--Maintenance and repair)

SOKOLOV, K.A.; ROVKAKH, S.Ye.

Efficient system of repairing excavators. Transp.stroi. 9
no.1:25-28 Ja '59. (MIRA 12:2)

1. Glavnyy inzh. Glavstroyemkhanizatsii (for Sokolov). 2.
Nachal'nik otdela tekhnologii remonta Proyektno-konstruktorskogo
byuro Glavstroyemkhanizatsii (for Rovkakh)
(Excavating machinery--Maintenance and repair)

ROVKAKH, S.Ye.

New regulation on planned-preventive repair of building machinery.
Transp.stroi. 6 no.5:22-23 My '56. (MLRA 9:8)

1. Nachal'nik tekhnologicheskogo otdela proyektno-konstruktorskogo
byuro Glavstroyemekhanizatsii.
(Building machinery--Maintenance and repair)

FILIPPOV, Vasil'y Vasil'yevich; ROVKAKH, S.Ye., kand. tekhn. nauk, retsenzent; SOKOLOV, K.A., inzh., retsenzent; VELICHKIN, Ye.A., inzh., red.; KHITROVA, N.A., tekhn. red.

[Operation and repair of a bucket excavator] Ekspluatatsia i remont odnokovshovykh ekskavatorov. 2., perer. izd. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshchenia, 1962. 383 p. (MIRA 15:3)

(Excavating machinery)

BONDARENKO, N.A., inzh.; RATNER, A.M., inzh.; SOKOLOV, K.A., inzh.; GUBANOV, N.P., inzh.; SORIN, N.M., inzh.; TARAKANOV, G.P., inzh.; IVANOV, S.M., inzh.; NIRK, A.D., inzh.; ROVKAKH, S.Ye., kand.tekhn.nauk; FILIPPOV, V.V., inzh.; KHAYKIS, L.B., kand.tekhn.nauk; LEBEDEV, V.I., inzh.; VELICHKIN, Ye.A., inzh., red.; KHITROV, P.A., tekhn.red.

[Handbook for machinery operators of construction areas] Spravochnik mekhanika stroitel'nogo uchastka. Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1960. 619 p.

(MIRA 14:1)

(Building machinery--Maintenance and repair)

ROVKAKH, S.Ye., kand.tekhn.nauk; TROYEPOL'SKIY, V.N., inzh.

Mechanization and automation of welding at the enterprises
of the Ministry of Construction for the Transportation Industry.
Transp.stroi. 10 no.7:23-26 J1 '60. (MIRA 13:7)
(Electric welding--Equipment and supplies)
(Automatic control)

BOYKOV, S. Ye.

BOYKOV, S. Ye. -- "Investigation of the Deterioration of Anti-Friction Bearings of the Caterpillar Tracks of Excavators and the Selection of Bronze Replacements." Min Higher Education USSR. Moscow Order of Labor Red Banner Construction Engineering Inst imeni V. V. Kuybyshev. Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No 1, 1956

GRIGOR'YANTS, A.S.; KUTASOV, G.B.; TARAKAN, N.A.; ROVKAKH, S.Ye.,
inzhener, nauchnyy redaktor; PERELYGIN, G.M., redaktor izdatel'stva;
YUDINA, L.A., redaktor izdatel'stva; PERSON, M.N., tekhnicheskiy
redaktor

[Standard repair enterprises in construction organizations]
Tipovye remontnye predpriiatiia stroitel'nykh organizatsii.
Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekt., 1957. 127 p.
(MLRA 10:6)

(Building machinery--Maintenance and repair)

SHLYAPIN, V.B.; VINOGRADOV, Yu.G.; LEONT'YEV, D.V.; ROVKAKH, S.Ye.;
KOLESNICHENKO, A.N.; YERMOLAYEVA, M.I.

Using the ANKEF-1 automatic head in building up parts by the weaving
arc method. Biul.tekhn.-ekon.inform. no.12:20-21 '60.

(MIRA 13:12)

(Electric welding)

ROVILAN, S.Ye., kand.tekhn.nauk; O. GITOV, N.V., kand.tekhn.nauk,
Primeneniye stali 019, N.Ye., kand.tekhn.nauk.

Using the 0-1,5 TSM alloy instead of bronze in repairing excavators.
Mekh. stroi. 18 no. 1:23-24 Ja '61. (MIRA 14:2)

1. Proekt-konstruktor'skoye biuro NI transstroya.
(Excavating machinery--Maintenance and repair)

BONDARENKO, N.A., inzh.; RATNER, A.M., inzh.; SOKOLOV, K.A., inzh.;
GUBANOV, N.P., inzh.; SORIN, N.M., inzh.; TARAKANOV, G.P., inzh.;
IVANOV, S.M., inzh.; NIRK, A.D., inzh.; ROYKAKH, S.Ye., kand.tekhn.
nauk; FILIPPOV, V.V., inzh.; KHAYKIS, L.B., kand.tekhn.nauk;
LEBEDEV, V.I., inzh.; VELICHKIN, Ye.A., inzh., red.; KHITROV, P.A.,
tekhn.red.

[Handbook for mechanics of a construction project] Spravochnik
mekhanika stroitel'nogo uchastka. Pod red. K.A.Sokolova. Moskva,
Vses.izdatel'sko-poligr.ob"edinenie M-va putei soobshchenia, 1960.
619 p. (MIRA 14:3)

(Mechanical engineering) (Road machinery)
(Railroads--Construction)

EXCERPTA MEDICA Ser 2 Vol 12/2 Physiology Feb 59

729. THE FUNCTIONAL CONDITION OF THE CENTRAL NERVOUS SYSTEM IN FEBRILE REACTION (Russian text) - Rovkakh V. E. From the Symposium: FIZIOL. MEKHANIZMY LIKHORADOCHN. REAKTSII (Medgiz. Leningrad) 1957 (159-172)

The s.c. injection of 0.5 ml. turpentine into rabbits prolonged the latent period (LP) of the flexor reflex by 0.02-0.07 sec. The intravenous injection of 1-2 ml./kg. of cultures of killed *Bacillus mesentericus* prolonged the LP by 0.02-0.08 sec. After cutting of the spinal cord at the level of D9-D10, lengthening of the LP did not occur at all in response to the pyrogenous action, or it manifested itself very weakly, although the febrile reaction was fairly well marked and typical. Crude mechanical stimulation of the hypothalamic area ('thermal prick') and the chemical stimulation of subcortical temperature centres also extended the LP. Changes in the EEG (in the hypothalamic area) coincided in time with LP changes after injection of bacterial cultures. The change in LP of the flexor reflex depends in the first place on functional shifts in the higher centres of the CNS. (S)

ROVKAKH, V.E.
U.S.S.R. / Human and Animal Physiology. Thermoregulation. T

Abs Jour: Ref Zhur-Biol., No 5, 1958, 22027.

Author : Rovkakh, V.E.

Inst : Not given.

Title : The Function of the Central Nervous System in Fever.

Orig Pub: Fisiol mekhanizmy liknoradochn reakcii, L., medgiz, 1957, 159-172.

Abstract: Subcutaneous injection in rabbits of 0.5 ml of turpentine prolonged the latent period (LP) of the Flexor Reflex (FR) by 0.02-0.07 sec. Intravenous injections of 1-2 ml/kg of killed culture of Bacillus Mesentericus prolonged the LP by 0.02-0.08 sec. Section of the spinal cord at the level of ThIX-ThX failed to produce any changes in the LP following injections of pyro-

Card 1/2

ROVKOV, A.M., brigadir montazhnikov stal'nykh konstruktsiy.

[Experience of construction workers on high structures] Opyt raboty montazhnikov-verkholazov. Moskva, Gos.izd-vo lit-ry po stroitel'stvu i arkhitekture, 1953. 36 p.

(MLR 6:8)
(Building)

POPOVA, L.L., agronom; ROVKOVA, T.P., red.; SHCHEPTEVA, T.A., tekhn.red.

[Young plant growers' clubs] Kruzhki iunykh rastenievodov.
Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv. RSFSR, 1957.
122 p. (MIRA 12:4)

1. Russia (1917- R.S.R.S.R.) Ministerstvo prosveshcheniya.
Glavnoye upravleniye shkol.
(Vegetable gardening) (Fruit culture)

BORISOV, V.G.; ROVKOVA, T.P., red.; KREYS, I.G., tekhn. red.

[Club for young radio engineers] Kruzhok iunych radiotekhnikov,
Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1958.
85 p. (MIRA 11:10)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye shkol.
(Radio)

POPOVA, I.L., agronom; ROVKOVA, T.P., red.; SHCHEPTEVA, T.A., tekhn. red.

[Young plant growers' clubs] Kruzhki iunykh rastenievodov. Moskva,
Gos. uchebno-pedagog. izd-vo M-va prosy. RSFSR, 1957. 122 p.
(MIRA 11:10)

1. Russia (1917- R.S.F.S.R.) Ministerstvo prosveshcheniya.
Glavnoye upravleniye shkol.
(Vegetable gardening) (Fruit culture)

SOLOVOV, Ya.A.; ROVKOVA, T.P. redaktor; DZHATIYEV, S.G., tekhnicheskiy redaktor.

[Talks in schools and other institutions for children on safety measures against fire] Besedy v shkolakh i drugikh detskikh uchrezhdeniyakh o merakh pozharnoi bezopasnosti. Sost. E.A. Selevov. Izd. 2-oe, ispr. i dop. Moskva, Gos. uchebno-pedagog. izd-vo Ministerstva presveshcheniya RSFSR, 1955. 49 p.

(MLRA 9:5)

1. Russia (1917- R.S.F.S.R.) Ministerstvo presveshcheniya.
(Fire prevention--Study and teaching)

GOSTEV, M.M.; KRONGAUZ, V.Ya.; ROVKOVA, T.P., red.; SHCHEPTEVA, T.A.,
tekhn. red.

[Homemade chemical equipment] Samodel'nye pribory po khimii.
Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1958.
101 p. (MIRA 11:9)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye shkol.
(Chemical apparatus)

ZHELANOV, S.P.; ROVKOVA, T.P., red.; KREYS, I.G., tekhn.red.

[A club for machinists] Kruzhok slesarei. Moskva, Gos.uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1957. 27 p. (MIRA 11:2)

1. Russia '1917- R.S.F.S.R.) Glavnoye upravleniye shkol.
(Mechanical engineering)

ROVNAK, V.

Electric methods of vacuum measuring. p. 171.

ELEKTROTECHNICKY CASOPIS. (Slovenska akademie vied) Bratislava, Czechoslovakia,
vol. 10, no. 3, 1959.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 11, Nov. 1959.
Uncl.

ROVNAK, V., inz.

Plutonium ionizing vacuum meter. Slaboproudy obzor 22
no.10:642 0 '61.

ROVNAK, V.

Photoelectric device for determination of the concentration of mercury vapors in the air. p. 251.

ELEKTROTECHNICKY CASOPIS, Bratislava, Czechoslovakia, Vol. 10, No. 4, 1959.

Monthly list of East European Accessions, (EEAI) LC, Vol. 8, No. 10.
Oct. 1959.
Uncl.

ROVNAK, Viliam, inž.

Gamma relay as an automation element in the mining industry.
Uhli 6 no.5:181-182 My *64

1. Institute of Mining, Slovak Academy of Sciences, Kosice.

L 18433-66 EWT(1)/T IJP(c) GG

ACC NR: AP6007796

SOURCE CODE: 15/66/011/002/0171/0176

AUTHOR: Konozenko, I. D.; Muzalevs'kyi, Ye. O.—Muzalevskiy, Ye. .; Rovna,
A. I.—Rovnaya, A. I.; Galushka, O. P.—Galushka, A. P.; Shmatko, H. H.—Shmatko,
G. G.; Nikolayeva, L. H.—Nikolayeva, L. G.

ORG: Institute of Physics, AN URSR, Kiev (Instytut fizyky AN URSR)

TITLE: Preparation of single CdS crystals and their structural and physical
properties

SOURCE: Ukrayins'skyi fizychnyy zhurnal, v. 11, no. 2, 1966, 171-176

TOPIC TAGS: single crystal, crystal lattice, crystal property, x ray analysis,
photoconductivity, crystal lattice defect

ABSTRACT: A procedure for obtaining large single crystals of CdS by the zone sublimation method is described. X-ray investigations of the defects in the structure of these crystals were carried out. It was shown that they are more perfect than those previously obtained (I. D. Konozenko, V. I. Ust'yanov, same source, v. 5, no. 5, 1960). The electrophysical properties were analyzed and the existence of a wide photoconductivity maximum was found. The depth of bedding and of trapping level concentrations were determined. On the basis of these investigations, it is possible to obtain purer single crystals of the A_2B_6 type compounds with an improved lattice by perfecting the technology. Orig. art. has: 6 figures.
[Based on author's abstract.]

Card 1/2

L 18433-66

ACC NR: AP6007796

SUB CODE: 20 SUBM DATE: 14Mar65/ ORIG REF: 004/ OTH REF: 006/

FW
Card 2/2

ROVNAYA, M.I.

Machines for mechanized disinfection of seeds. Zashch. rast. ot
vred. i bol. 3 no.4:14-16 J1-Ag '58. (MIRA 11:9)

1. Nachal'nik Kokchetavskogo oblgoskarantina.
(Seeds--Disinfection)

Characterization of molecular weight of polytrifluoro-³
chloroethylene. Jiří Rovner (Výzk. ústav makromol.
chem., Brno, Czech.). *Chem. průmysl* 9, 157-9(1959).

Testing methods such as the flow index, m-strength temp.,
and zero-strength time (ZST) were checked for evaluation
of mol. wt. of polytrifluorochloroethylene (1) on the basis
of rheological properties of its melt. The ZST method was
found most suitable for plant control of 1 and the effect of
temp., stress, and thickness of the sample was established,
the latter being of greatest importance. J. Šebenda

COUNTRY : Czechoslovakia H-29
 CATEGORY :
 ABST. JOUR. : RZKhim., No. 1959, No. 88431
 AUTHOR : ROYNER, J.
 INST. :
 TITLE : Methods Used for Determining the Molecular Weight of Polytrifluorochlorethylene
 ORIG. PUB. : Chem. průmysl, 1959, 9, No 3, 157-159
 ABSTRACT : A comparison of the different methods [viscosimetry, determination of fluidity index, of the temperature of the so-called zero strength, and of the time required to reach zero strength (ZST)] of determining the molecular weight of polytrifluorochlorethylene, based upon study of rheological properties and fusions of the polymer. It was found that the most convenient of the above-listed methods is the determination of ZST, which is carried out by means of a simple device at constant temperature. A study was made of the influence of magnitude of the load, thickness of sample, and temperature on ZST indices.
 L. Sedov

CARD:

263

HOVNER, J.

"Methods of characterizing the molecular weight of polytrifluorochloroethylene."

CHEMICKÝ PRŮMYSL, Praha, Czechoslovakia, Vol. 9, No. 3, March 1957.

Monthly List Of East European Accessions (MEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

ROVNER, Jiri

"The physics of plastic materials" by W. Holzmüller, K. Altenburg.
Reviewed by Jiri Rovner. Chem prum 13 no.4:208 Ap '63.

1. Vyzkumny ustav makromolekulární chemie, Brno.

ROVNER, Jiri

Viscoelastic properties of poly(vinyl chloride). Jiri Rovner. Chem. Průmysl 6, 85-8(1958). Through measures of deformation of unplasticized poly(vinyl chloride) under const. load in a Höppler consistometer a relation could be found between deformation and av. viscometric mol. wt. Viscometric mol. wt. or the Fikentscher K value does not characterize the polymer sufficiently as to its processing qualities. Not even the mol.-wt. distribution is a decisive factor. The mol. wt. is a sufficient characteristic only in case of known types of polymers. The origin of deviations in behavior of different types is to be sought in inherent mol. structure itself. L. A. Helwich

221101-1, 1, inzh.; ROVNER, L., inzh.

Use of punched cards in the operative calculations of ship
repair. Mor. flot. 24 no.11:33-34 N '64. (MIRA 18:8)

L 07549-67
ACC NR: AP6016750

(N)

SOURCE CODE: UR/0375/66/000/001/0069/0073

AUTHOR: Rovner, L. M. (Engineer; Cmdr.); Perskiy, Ya. L. (Engineer; Lt. Cmdr.) 17

B

ORG: none

TITLE: Use of general-purpose electronic computers for planning naval ship repairs

SOURCE: Morskoy sbornik, no. 1, 1966, 69-73

TOPIC TAGS: naval ship, electronic computer, computer application, marine engineering

ABSTRACT: Problems of developing a method for calculations on a general purpose electronic computer and the use of these calculations for compiling the annual plan of ship repairs are examined in this article. The method is based on the use of existing principles of planning, according to which the need of ships for routine repair, its type, and planned periods are determined by standard interrepair periods and the placing of ships at ship repair enterprises is done in conformity with their specialization and production potentiality. To solve the problem two types of information are needed: information on the ship makeup of the fleet (variable information) such as the number, design and location of the ship and the period of completion of the last repairs, and information by types of ships (constant information) such as the standard duration of repairs and of interrepair periods and cost of repairs. The initial information is set up in a digital form and the problem is solved on the

Cord 1/2